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Wix 33001

Wix 33001 (1/4") In-line Fuel Filter User Manual

Model: 33001 | Brand: Wix

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Wix 33001 In-line Fuel Filter. Designed for various small engine and carbureted vehicle applications, this filter helps protect your engine by removing contaminants from the fuel supply. Please read this manual thoroughly before installation or use.

2. SAFETY INFORMATION

- Always work in a well-ventilated area.
- Ensure the engine is cool and turned off before beginning any work on the fuel system.
- Disconnect the battery if working on an electrical system near fuel lines.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Keep open flames, sparks, and other ignition sources away from fuel and fuel system components.
- Have a fire extinguisher readily available.
- Dispose of old fuel filters and any spilled fuel according to local environmental regulations.

3. PACKAGE CONTENTS

Each pack contains:

- 4 x Wix 33001 In-line Fuel Filters (1/4" diameter)



Figure 1: Four Wix 33001 In-line Fuel Filters.

4. INSTALLATION GUIDE

4.1 Pre-Installation Checks

- Verify that the new filter matches the required size (1/4" inlet/outlet) for your fuel line.
- Ensure you have appropriate fuel line clamps if the existing ones are not reusable or are damaged.
- Have a container ready to catch any spilled fuel.

4.2 Step-by-Step Installation

1. Locate the existing fuel filter or the desired installation point in the fuel line between the fuel tank and the carburetor/fuel pump.
2. Place a suitable container beneath the fuel line to collect any fuel that may spill.
3. Using appropriate tools, carefully remove the existing fuel line clamps and disconnect the fuel lines from the old filter. Note the direction of fuel flow to ensure the new filter is installed correctly (typically indicated by an arrow on the filter body, if present, or by the orientation of the old filter).
4. Insert the new Wix 33001 In-line Fuel Filter into the fuel line, ensuring the tapered ends provide a tight fit. The filter should be oriented to match the direction of fuel flow.
5. Secure the fuel lines to the new filter using new or existing clamps. Ensure all connections are tight to prevent leaks.
6. Once installed, check for any fuel leaks. Start the engine and allow it to run for a few minutes, re-checking for leaks.

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Video 1: Demonstration of a fuel filter installation on a small engine, showing the filter's placement and connection to fuel lines. This video illustrates the general process for installing an in-line fuel filter.

5. OPERATION

The Wix 33001 In-line Fuel Filter operates passively as part of your vehicle's fuel system. Fuel flows through the filter, and the internal media traps dirt, rust, and other contaminants before they can reach sensitive engine components like the carburetor or fuel injectors. There are no user-adjustable settings or active controls for this component.

6. MAINTENANCE

6.1 Inspection and Replacement

Regular inspection of your fuel filter is crucial for optimal engine performance and longevity. The clear casing of the Wix 33001 allows for visual inspection of the filter media.

- **Inspection Frequency:** Inspect the fuel filter every 3-6 months or as recommended by your vehicle's manufacturer.
- **Signs of a Clogged Filter:**
 - Visible dirt or debris accumulation in the filter media.
 - Reduced fuel flow (can be observed if the filter is partially transparent).
 - Engine performance issues such as sputtering, loss of power, difficulty starting, or stalling.
- **Replacement:** Replace the fuel filter immediately if any signs of clogging are observed, or as part of routine maintenance, typically annually or every 10,000-15,000 miles, depending on usage and fuel quality. Refer to Section 4.2 for replacement steps.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|---|
| Engine runs poorly, sputters, or loses power. | Clogged fuel filter restricting fuel flow. | Inspect the fuel filter for visible contaminants. Replace if clogged. |
| Difficulty starting the engine or engine stalls. | Severely restricted fuel flow due to a heavily clogged filter. | Replace the fuel filter. Check other fuel system components if the problem persists. |
| Fuel leak at filter connections. | Loose clamps or improper hose fit. | Ensure fuel lines are fully seated on the filter's tapered ends and clamps are tightened securely. Use correct size hoses (1/4"). |

8. SPECIFICATIONS

- **Brand:** Wix
- **Model Number:** 33001
- **Product Grade:** Replacement Part
- **Outer Material:** Metal (filter media housing) / Plastic (casing)
- **Vehicle Service Type:** Light Truck, Passenger Car, Small Engines
- **Item Diameter (Inlet/Outlet):** 0.25 Inches (1/4")

- **Style:** In-Line
- **Item Weight:** Approximately 5.3 ounces (for the pack of 4)
- **UPC:** 706752115015

9. WARRANTY INFORMATION

Wix products are manufactured to high-quality standards. For specific warranty details, please refer to the official Wix website or contact their customer service. Keep your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your Wix 33001 In-line Fuel Filter, please visit the official Wix website for support resources or contact their customer service department.

